

Docket No. 10806-116

PATENT

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Margie Greene

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Applicant: Theo T. M. Bogaert et al : Paper No.:  
Serial No.: To be assigned : Group Art Unit:  
Filing Date: February 6, 2001 : Examiner:  
For: **Intraocular Lenses**

**PRELIMINARY AMENDMENT**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Prior to calculation of the filing fee and first action by the Examiner, please amend the present application as follows:

**In the Claims:**

Please amend claims 5, 8, 22, 23, 35, 40, 41, and 48 as follows:

5. (Amended) A correction lens according to claim [claim] 2, wherein the supporting element comprises an inner part and a peripheral part designed so as to be at least partially in contact with the ciliary sulcus and the zonulas.

8. (Amended) A correction lens according to claim 5 [any of claims 5 to 7], wherein the peripheral part follows a curve diverging towards a plane perpendicular to the optical axis.

22. (Amended) A correction lens according to claim 20 [or 21], wherein the flawless curve has a central radius proximal to the optical axis less than the radius of the natural lens in its non-accommodated state, said curve substantially following a parabolic or hyperbolic curve formula.

23. (Amended) A correction lens according to claim 20 [or 21], wherein the flawless curve has a central radius proximal to the optical axis larger than the radius of the natural lens in its non-accommodated state, said curve substantially following an ellipsoidal curve formula.

35. (Amended) A method of selecting a suitable implantable correction lens according to claim 1, the method [any of claims 1 to 34] comprising the steps of:

- (i) determining the power of optical correction;
- (ii) estimating the anterior radius of the natural lens in its non-accommodated state;
- (iii) selecting a posterior central radius of the correction lens different [to] from that of the natural lens in its non-accommodated state;
- (iv) determining the total lens vault based on the data arriving from steps (ii) and (iii); and
- (v) selecting a flawless curve free from points of inflection representing the interaction of the posterior surface and a plane containing the optical axis so as to provide an aspheric posterior lens surface.

40. (Amended) A method of obtaining a suitable intraocular correction lens implantation comprising the steps of:

- (i) determining the power of optical correction;

- (ii) estimating the anterior radius of the natural lens in its non-accommodated state;
- (iii) selecting a posterior central radius of the correction lens different [to] from that of the natural lens in its non-accommodated state;
- (iv) determining the total lens height from the data arriving from steps (ii) and (iii); and
- (v) selecting a lens from a kit of correction lenses, wherein each lens [have] is [the features] according to claim 1 [any of claims 1 to 34], said kit containing lenses with a range of different optical powers with dimensional features resulting from the estimation of a suitable average population.

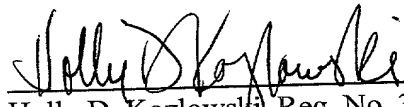
41. (Amended) A method according to claim 40, wherein said selection [is based on] comprises employing an algorithm capable of transferring the physiological data to a suggested lens and from this result [select] selecting the most appropriate lens present in the kit.

48. A kit of intraocular lenses with a suitable variety of optical powers, wherein each individual lens is [provided with the features] according to claim 1 [any of claims 1 to 34].

#### REMARKS

By the present amendment, the claims are amended to omit the multiple dependency of the claims and for several matters of form in accordance with customary U.S. patent practice. Since these changes do not involve the introduction of new matter, entry is believed to be in order and is respectfully requested.

Respectfully submitted,



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